

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E82867

Participation : CTR

Employer : Harnish Group Inc

Status : Affected

Worksite : NC Machinery/Machinery Power and Equipment Co.

Survey Type : Online

Street : 17035 W Valley Hwy

Response Rate : 82%

Jurisdiction : City of Tukwila

Survey Date : 5/18/2019

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 12.2%

Drive Alone Rate : 87.8%

One-Way VMT per employee : 19.8

Average One-Way distance home to work : 21.2

Employees and Survey Response Information

Reported Total Employees at Worksite: 213

Surveys Distributed : 195

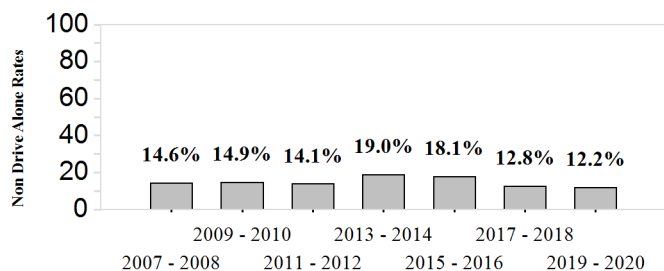
Surveys Returned : 160

Surveys Returned by CTR Affected* Employees : 149

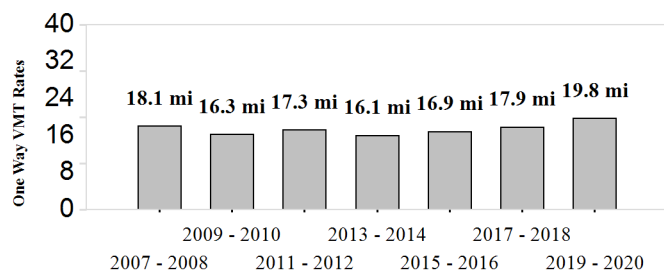
Total Estimated CTR Affected Employees at Worksite : 182

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

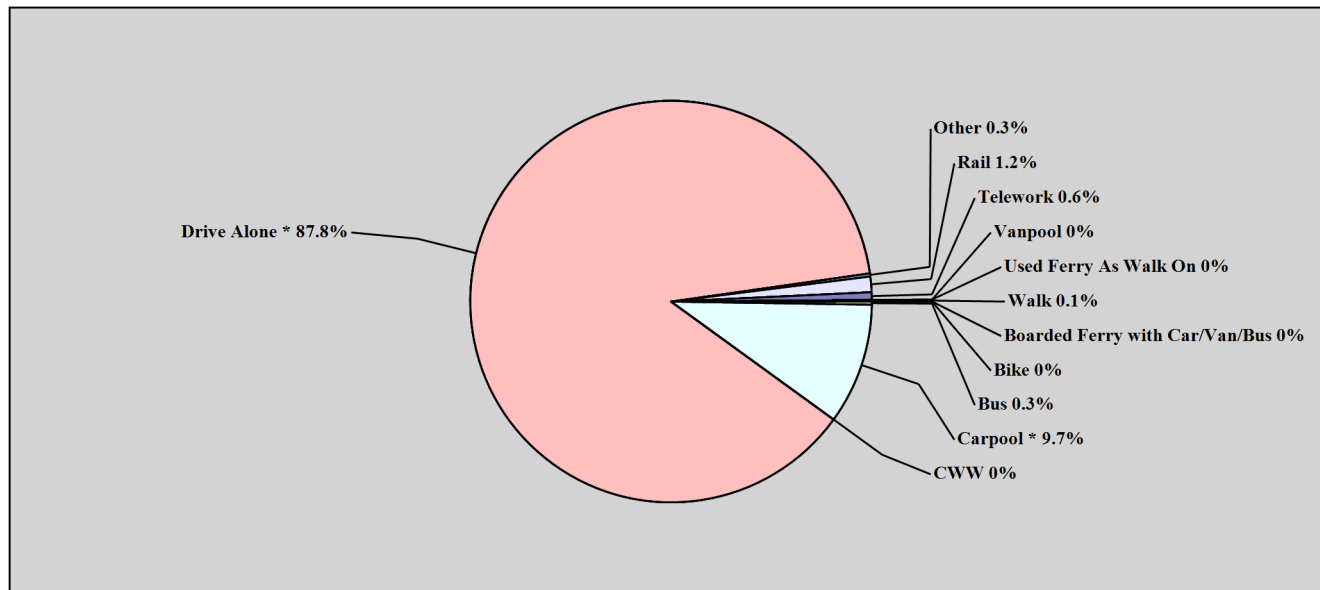
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	14.6%	13.7%	544	866	35.8	18.1	16.5
2009 - 2010	14.9%	14.0%	595	773	32.0	16.3	16.5
2011 - 2012	14.1%	14.7%	439	618	25.6	17.3	17.2
2013 - 2014	19.0%	19.5%	425	599	24.8	16.1	16.0
2015 - 2016	18.1%	18.2%	499	732	30.3	16.9	16.9
2017 - 2018	12.8%	13.3%	491	793	32.8	17.9	17.6
2019 - 2020	12.2%	12.3%	705	938	38.8	19.8	18.8
Target	27.1%				Target:	13.9	
% Point Change Target:	12.5				% Change Target:	-23.2%	
% Point Change from Baseline:	-2.4				% Change from Baseline:	9.4%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



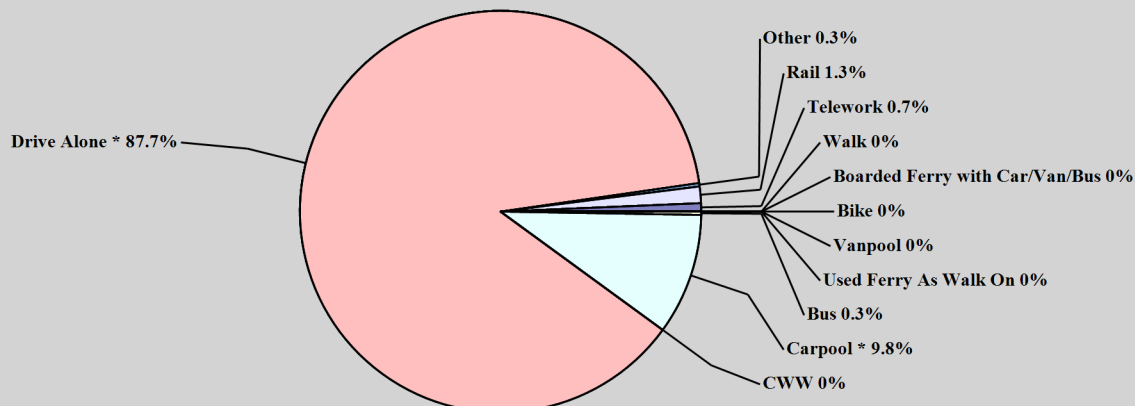
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	703	87.8%	87.2%	144	90.0%	89.9%
Carpool *	78	9.7%	8.7%	17	10.6%	10.1%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	2	0.3%	0.0%	1	0.6%	0.0%
Rail	10	1.2%	2.3%	2	1.3%	2.9%
Bike	0	0.0%	0.0%	0	0.0%	0.0%
Walk	1	0.1%	0.7%	1	0.6%	0.7%
Telework	5	0.6%	0.6%	2	1.3%	0.7%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	2	0.3%	0.4%	1	0.6%	1.4%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	656	87.7%	86.7%	135	90.6%	89.3%
Carpool *	73	9.8%	9.2%	16	10.7%	10.7%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	2	0.3%	0.0%	1	0.7%	0.0%
Rail	10	1.3%	2.4%	2	1.3%	3.1%
Bike	0	0.0%	0.0%	0	0.0%	0.0%
Walk	0	0.0%	0.8%	0	0.0%	0.8%
Telework	5	0.7%	0.6%	2	1.3%	0.8%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	2	0.3%	0.3%	1	0.7%	0.8%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	137	86%	160	100%
1 Days	2	1%	23	14%
2 Days	2	1%	21	13%
3 Days	2	1%	19	12%
4 Days	1	1%	17	11%
5 Days	15	9%	16	10%
6 or More Days	1	1%	1	1%

Count by Occupancy of Carpools and Vanpools

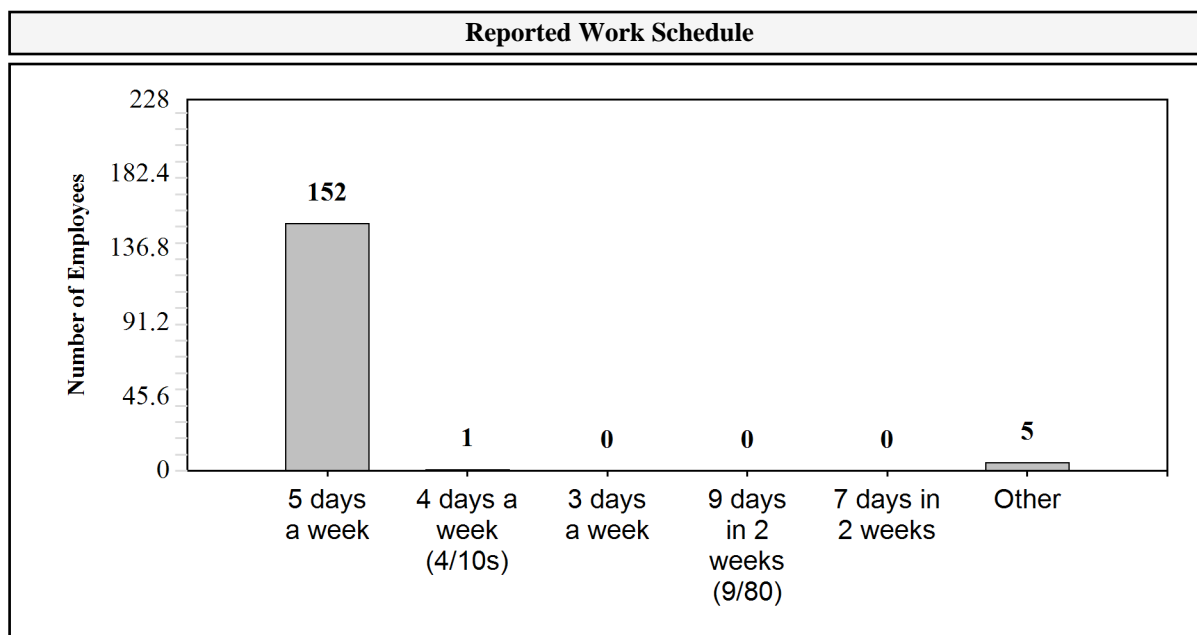
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	65
3	Carpool	13
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

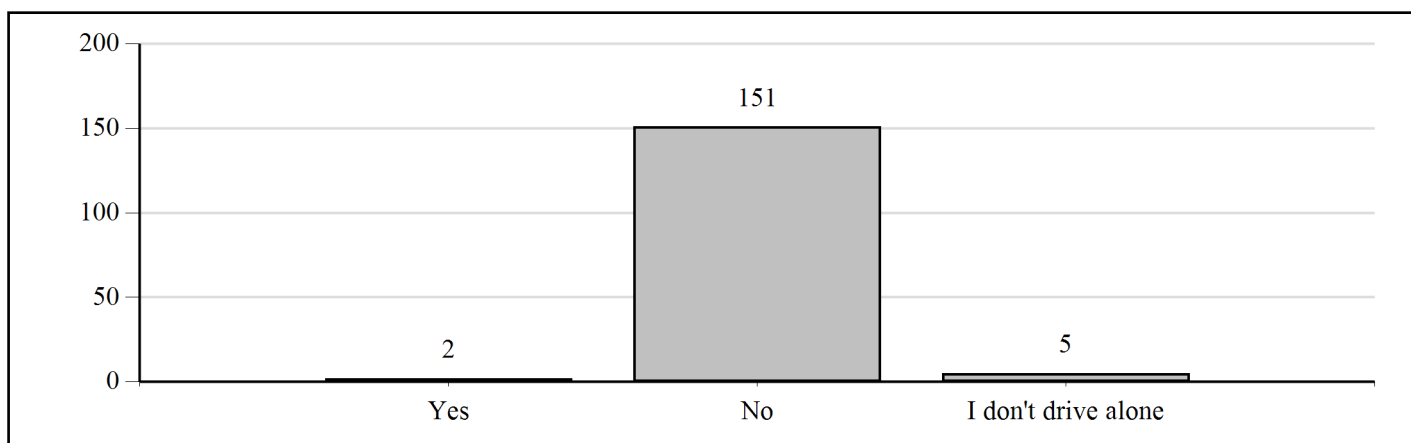
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	152	96.2%
4 days a week (4/10s)	1	0.6%
3 days a week	0	0%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	5	3.2%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	1.3%
I don't telework	143	89.4%
Occasionally, on an as-needed basis	10	6.3%
1-2 days/month	3	1.9%
1 day/week	0	0.0%
2 days/week	0	0.0%
3 days/week	2	1.3%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Other	45	18.7%
To save money	39	16.2%
To save time using the HOV lane	39	16.2%
Environmental and community benefits	23	9.5%
Financial incentives for carpooling, bicycling or walking.	21	8.7%
Personal health or well-being	18	7.5%
Driving myself is not an option	17	7.1%
Free or subsidized bus, train, vanpool pass or fare benefit	13	5.4%
Emergency ride home is provided	10	4.1%
I have the option of teleworking	7	2.9%
Cost of parking or lack of parking	5	2.1%
Preferred/reserved carpool/vanpool parking is provided	4	1.7%
I receive a financial incentive for giving up my parking space	0	0.0%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	100	26.8%
Riding the bus or train is inconvenient or takes too long	84	22.5%
Other	47	12.6%
My commute distance is too short	36	9.7%
Family care or similar obligations	35	9.4%
My job requires me to use my car for work	33	8.8%
Bicycling or walking isn't safe	27	7.2%
I need more information on alternative modes	9	2.4%
There isn't any secure or covered bicycle parking	2	0.5%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98042	12	7.50%	46	10	0	0	0	0	0	0	0	0	0	0	0
98092	10	6.25%	52	0	0	0	0	0	0	0	0	0	0	0	0
98001	6	3.75%	30	0	0	0	0	0	0	0	0	0	0	0	0
98022	6	3.75%	26	5	0	0	0	0	0	0	1	0	0	0	0
98031	6	3.75%	20	10	0	0	0	0	0	0	0	0	0	0	0
98038	6	3.75%	32	0	0	0	0	0	0	0	0	0	0	0	0
98056	6	3.75%	25	2	0	0	0	0	0	0	0	0	0	0	0
98030	5	3.13%	20	5	0	0	0	0	0	0	0	0	0	0	0
98372	5	3.13%	27	0	0	0	0	0	0	0	0	0	0	0	0
98391	5	3.13%	26	0	0	1	0	0	0	0	0	0	0	0	0
98058	4	2.50%	20	0	0	0	0	0	0	0	0	0	0	0	0
98360	4	2.50%	20	0	0	0	0	0	0	0	0	0	0	0	0
98006	3	1.88%	14	0	0	0	0	0	0	0	0	0	0	0	0
98010	3	1.88%	15	0	0	0	0	0	0	0	0	0	0	0	0
98032	3	1.88%	14	0	0	0	0	0	0	0	0	0	0	0	0
98057	3	1.88%	15	0	0	0	0	0	0	0	0	0	0	0	0
98059	3	1.88%	12	1	0	0	0	0	0	0	0	0	0	0	2
98136	3	1.88%	11	0	0	0	0	0	0	0	0	0	0	0	0
98188	3	1.88%	10	5	0	0	0	0	0	0	0	0	0	0	0
98354	3	1.88%	5	12	0	0	0	0	0	0	0	0	0	0	0
98597	3	1.88%	5	10	0	0	0	0	0	0	0	0	0	0	0
98023	2	1.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
98027	2	1.25%	7	0	0	0	0	0	0	0	0	0	0	0	0
98047	2	1.25%	12	0	0	0	0	0	0	0	0	0	0	0	0
98116	2	1.25%	8	0	0	0	2	0	0	0	0	0	0	0	0
98146	2	1.25%	10	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98166	2	1.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
98178	2	1.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
98374	2	1.25%	7	0	0	0	0	5	0	0	0	0	0	0	0
98387	2	1.25%	9	0	0	1	0	0	0	0	0	0	0	0	0
98406	2	1.25%	5	0	0	0	0	5	0	0	0	0	0	0	0
98409	2	1.25%	12	0	0	0	0	0	0	0	0	0	0	0	0
98466	2	1.25%	10	0	0	0	0	0	0	0	0	0	0	0	0
	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98021	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98043	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98045	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98051	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98052	1	0.63%	0	5	0	0	0	0	0	0	0	0	0	0	0
98053	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98074	1	0.63%	6	0	0	0	0	0	0	0	0	0	0	0	0
98075	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98111	1	0.63%	0	0	0	0	0	0	0	1	0	0	0	0	0
98112	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98144	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98163	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98168	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98233	1	0.63%	1	0	0	0	0	0	0	0	4	0	0	0	0
98274	1	0.63%	7	0	0	0	0	0	0	0	0	0	0	0	0
98282	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98321	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98328	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98338	1	0.63%	6	0	0	0	0	0	0	0	0	0	0	0	0
98373	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98422	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.63%	0	5	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98501	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98503	1	0.63%	2	3	0	0	0	0	0	0	0	0	0	0	0
98516	1	0.63%	0	5	0	0	0	0	0	0	0	0	0	0	0
98528	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0
98580	1	0.63%	5	0	0	0	0	0	0	0	0	0	0	0	0